

April 27, 2007



U.S. Department  
of Transportation

400 Seventh Street, S.W.  
Washington, D.C. 20590

**Pipeline and Hazardous  
Materials Safety Administration**

DOT-SP 14398  
(FIRST REVISION)

EXPIRATION DATE: March 31, 2009
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(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Millennium Inorganic Chemicals, Inc.  
A Lyondell Company  
Houston, TX
2. PURPOSE AND LIMITATION:
  - a. This special permit authorizes the use of DOT Specification 105J600W tank cars having a maximum gross weight on rail at 286,000 pounds for the transportation of titanium tetrachloride. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically provided herein.
  - b. The safety analyses performed in the development of this special permit only considered the hazards and risks associated with the transportation in commerce.
  - c. No party status will be granted to this special permit.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 172.203(a) in that marking the special permit number on the shipping paper is waived; and §§ 173.26 and 179.13 in that the authorized maximum gross weight on rail is 263,000 pounds, except as provided herein.
5. BASIS: This special permit is based on the application of Millennium Inorganic Chemicals, Inc., dated August 4, 2006 submitted in accordance with § 107.105 and the public proceeding thereon and additional information dated April 27, 2007.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Titanium tetrachloride	8	UN1838	II

7. SAFETY CONTROL MEASURES:a. PACKAGING:

- i. Packaging prescribed are specification DOT 105J tank cars having a tank test pressure of 600 psig.
- ii. The packagings prescribed under this application meet the Association of American Railroads' Manual of Standards and Recommended Practices, Manual C-II, Specifications S-259, dated November 1994, or S-286, dated January 1, 2004, and Manual C-III, Section 2.5, dated October 1, 2003 (including AAR Circular letter revisions).
- iii. Each tank car may be loaded to a maximum gross weight on rail of 286,000 pounds, provided that the tank is not loaded in excess of the amount authorized per § 173.24b.

- b. MARKING: - Each tank car operating under the terms of this exemption must be marked "DOT-SP 14398" in four-inch letters and numerals on a contrasting background above the DOT Specification number.

8. SPECIAL PROVISIONS:

- a. A person who is not a holder of this special permit who receives a package covered by this special permit may reoffer it for transportation provided no modification or change is made to the package or its contents and it is reoffered for transportation in conformance with this special permit and the HMR.

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b. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation, except that the special permit is not required to be maintained at locations that offer residue only.

c. In addition to information listed in § 107.107, and prior to any initial loading of any car under the terms of this exemption, the applicant must furnish reporting marks, car numbers, and certificate-of-construction numbers for all subject cars. The applicant shall maintain and make available upon request routing information that confirms with the railroad carrier its track capacity to transport cars loaded to more than 263,000 lb. gross rail load.

d. The additional information requirement for shipping papers in § 172.203(a) is waived.

e. The applicant shall make available its complete maintenance and qualification program to the Federal Railroad Administration upon request (see the Association of American Railroads' Manual of Standards and Recommended Practices, Manual C-III, Recommended Practice RP-263). The maintenance program must incorporate any additional structurally significant components that may be adversely affected by the increased rail load to ensure the continual fitness-for-service of the component based on the inspection method and the inspection interval specified in the maintenance program.

9. MODES OF TRANSPORTATION AUTHORIZED: Rail Freight.

10. MODAL REQUIREMENTS: The applicant must notify the Federal Railroad Administration if any unusual incident occurs during the movement by contacting:

Federal Railroad Administration  
Hazardous Materials Division  
RRS-12, Mail Stop 25  
1120 Vermont Avenue, N.W.  
Washington, D.C. 20590  
(202) 493-6229 or 493-6247

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11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq.:

- o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when this special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)- 'The Hazardous Materials Safety and Security Reauthorization Act of 2005' (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term 'exemption' to 'special permit' and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of

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this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



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for Bob Richard  
Deputy Associate Administrator  
for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety Administration, Department of Transportation, Washington, D.C. 20590. Attention: PHH-31.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at [http://hazmat.dot.gov/sp\\_app/special\\_permits/spec\\_perm\\_index.htm](http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm). Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: dl